

In the Claims

Applicant has submitted a new complete claim set indicating marked up claims with insertions and deletions indicated by underlining and strikeouts, respectively.

Please cancel claim 25 without prejudice or disclaimer.

1. (previously presented) A kit for use in the screening of the risk for, the diagnosis, management and research of atherosclerosis and coronary heart disease comprising  
a container containing a reagent for isolating LDL from a serum or plasma sample for the preparation of a LDL fraction, and  
a container containing a reagent for separating the lipids from the LDL fraction to obtain a LDL lipid fraction.
2. (previously presented) The kit according to claim 1, wherein the reagent for isolating the LDL from the serum or plasma sample is a buffered heparin solution.
3. (previously presented) The kit according to claim 1, wherein the reagent for separating the lipid is a chloroform-methanol solution.
4. (previously presented) The kit according to claim 1, further comprising a reagent for use in the determination of the baseline level of conjugated dienes (LDL-BDC) in the lipid fraction.
5. (previously presented) The kit according to claim 4, wherein the reagent for use in the determination of LDL-BDC in the lipid fraction is an organic solvent.
6. (previously presented) The kit according to claim 4, wherein the reagent for use in the determination of LDL-BDC in the lipid fraction is cyclohexane.
7. (previously presented) A kit for use in the screening of the risk for, the diagnosis,

preparation of a LDL fraction, and

a container containing a reagent for use in the determination of the antioxidant potential of LDL (LDL-TRAP) in the LDL fraction.

8. (previously presented) The kit according to claim 7, wherein the reagent for isolating the LDL from the sample is a buffered heparin solution.
9. (previously presented) The kit according to claim 7, wherein the reagent for use in the determination of the antioxidant potential of LDL in a serum or plasma sample is 2,2'-azobis(2-amidinopropane)HCl (ABAP).
10. (previously presented) A kit for use in the screening of the risk for, the diagnosis, management and research of atherosclerosis and coronary heart disease comprising
  - a container containing a reagent for isolating LDL from a serum or plasma sample for the preparation of a LDL fraction,
  - a container containing a reagent for separating the lipids from the LDL fraction to obtain a lipid fraction,
  - a container containing a reagent for use in the determination of LDL-BDC in the lipid fraction, and
  - a container containing a reagent for use in the determination of LDL-TRAP in the LDL fraction.
11. (previously presented) The kit according to claim 10, wherein the reagent for isolating the LDL from the serum or plasma sample is a buffered heparin solution.
12. (previously presented) The kit according to claim 10, wherein the reagent for separating the lipid is a chloroform-methanol solution.
13. (previously presented) The kit according to claim 10, wherein the reagent for use in the determination of LDL-BDC in the lipid fraction is an organic solvent.

15. (previously presented) The kit according to claim 10, wherein the reagent for use in the determination of the antioxidant potential of LDL is the sample is 2,2'-azobis(2-amidinopropane)HCl (ABAP).

16. (original) A kit for use in quantifying oxidation parameters of lipids in a LDL fraction of blood serum or plasma, comprising

a first container for extracting the lipids from the LDL fraction, the first container containing a solvent which extracts lipids from a LDL fraction; and

a second container containing an amount of resuspension solvent sufficient to resuspend the extracted lipids.

17. (original) The kit according to claim 16, wherein the solvent which extracts lipids is chloroform:methanol having a ratio greater than about 2:1.

18. (original) The kit according to claim 17, wherein the resuspension solvent in the second container is neutral or inert to spectrophotometric analysis.

19. (original) The kit according to claim 18, wherein the resuspension solvent in the second container is cyclohexane.

20. (original) A kit for use in determining antioxidant potential of a LDL fraction of blood serum or plasma, comprising

a first container for extracting lipids from the LDL fraction, the first container containing a solvent which extracts lipids from a LDL fraction; and

a second container containing an amount of a compound which produces peroxy radicals sufficient to induces lipid peroxidation of the LDL fraction.

21. (original) The kit according to claim 20, wherein the compound in the second container is 2,2'-azobis(2-amidinopropane)HCl (ABAP).

22. (original) The kit according to claim 21, wherein the second container containing a solution for resuspension of the ABAP.

23. (original) The kit of claim 21, further comprising a third container containing a compound which enhances luminescence.
24. (original) The kit of claim 23, wherein the compound which enhances luminescence is luminol.
25. (Canceled)